Cable Inspection Procedures

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Lt

Tools Required for Inspection

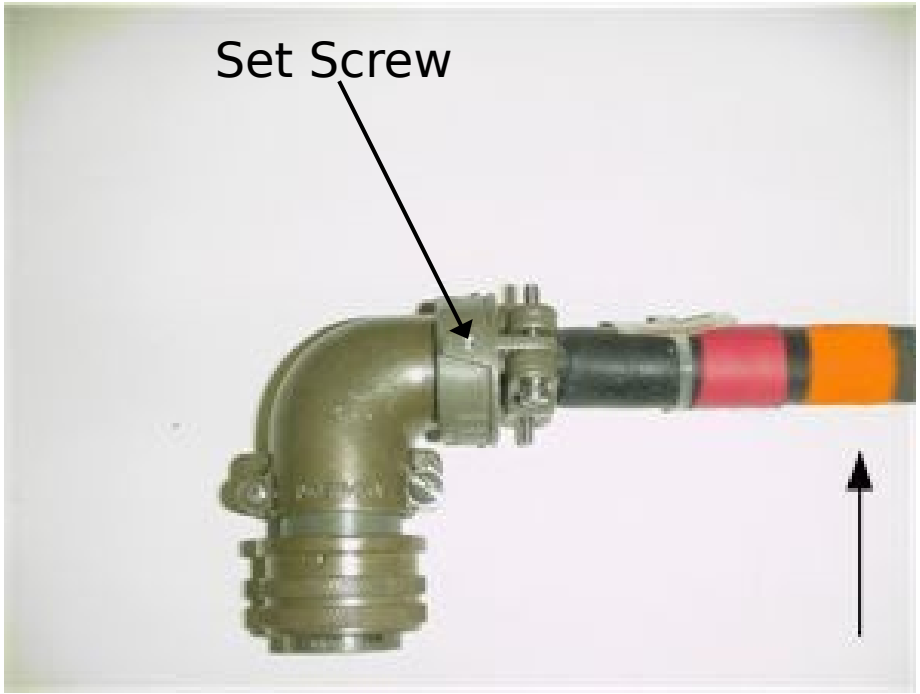
- One common flat head screw driver
- One allen wrench size 3/64”

Step 1

- Ensure that the configuration of elbow connector on cable is the same as pictured below.

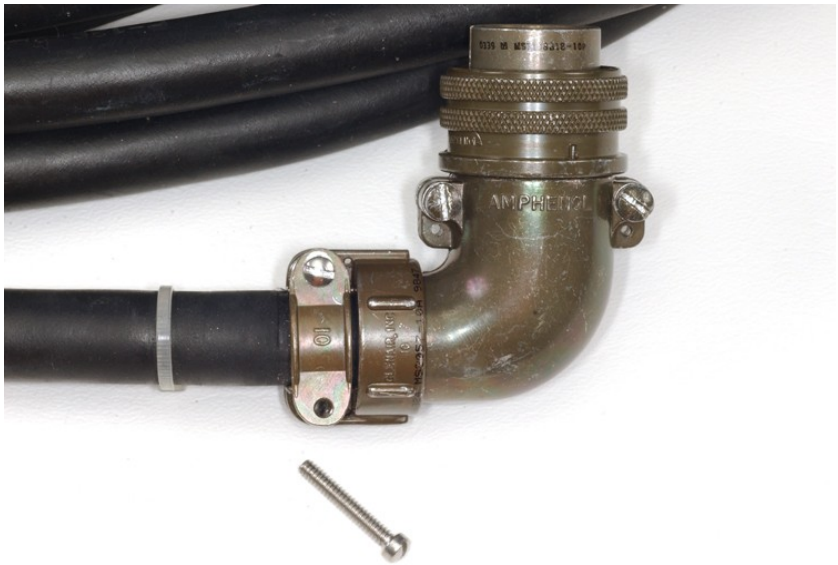
Step 2

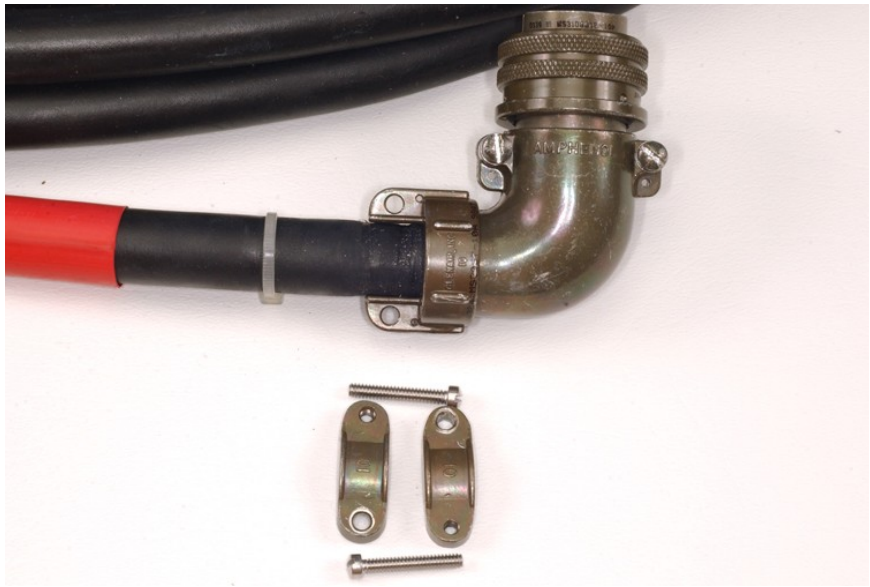
- Check for modification indicated by orange tape and set screw on retaining collar, as shown below.
- If an unmodified unit, proceed to Step 3.
- If a modified unit, remove set screw then proceed to Step 3.



Step 3

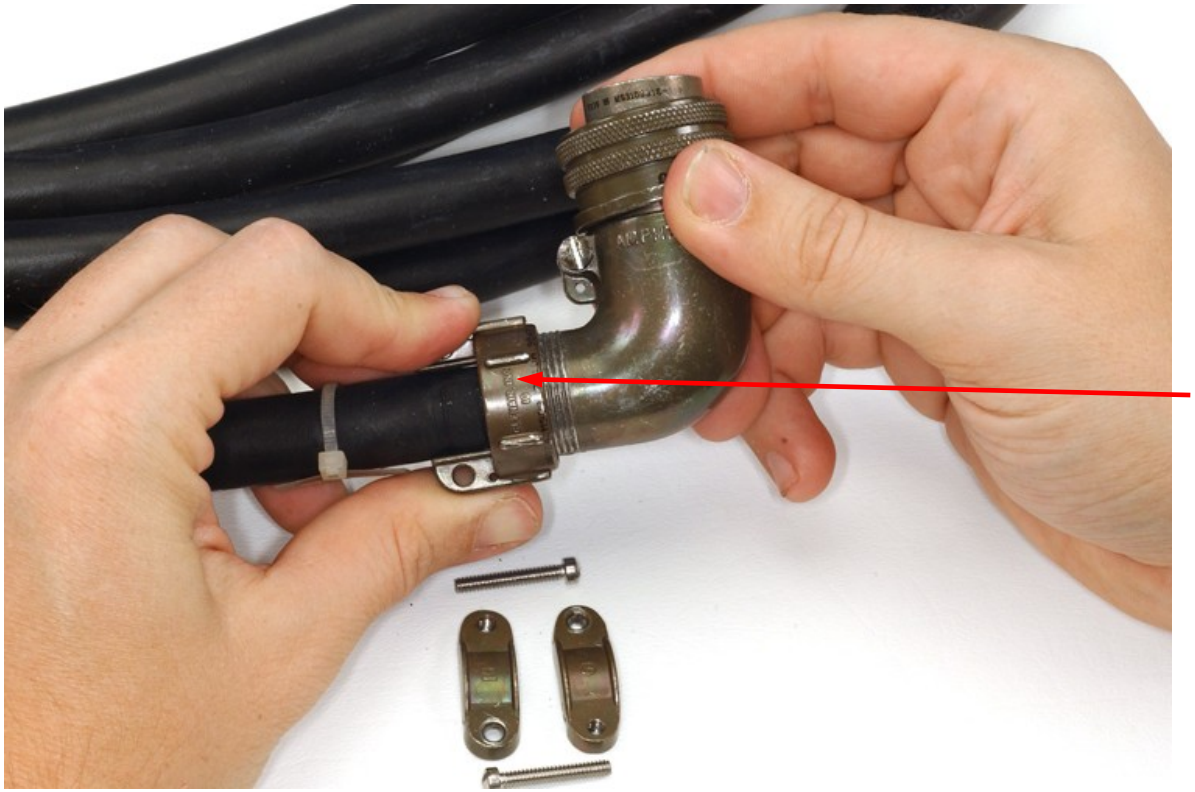
- Remove retaining clamp located below elbow connector by removing screws then separating the two parts, as shown below. Note: Save lock washers for reuse.





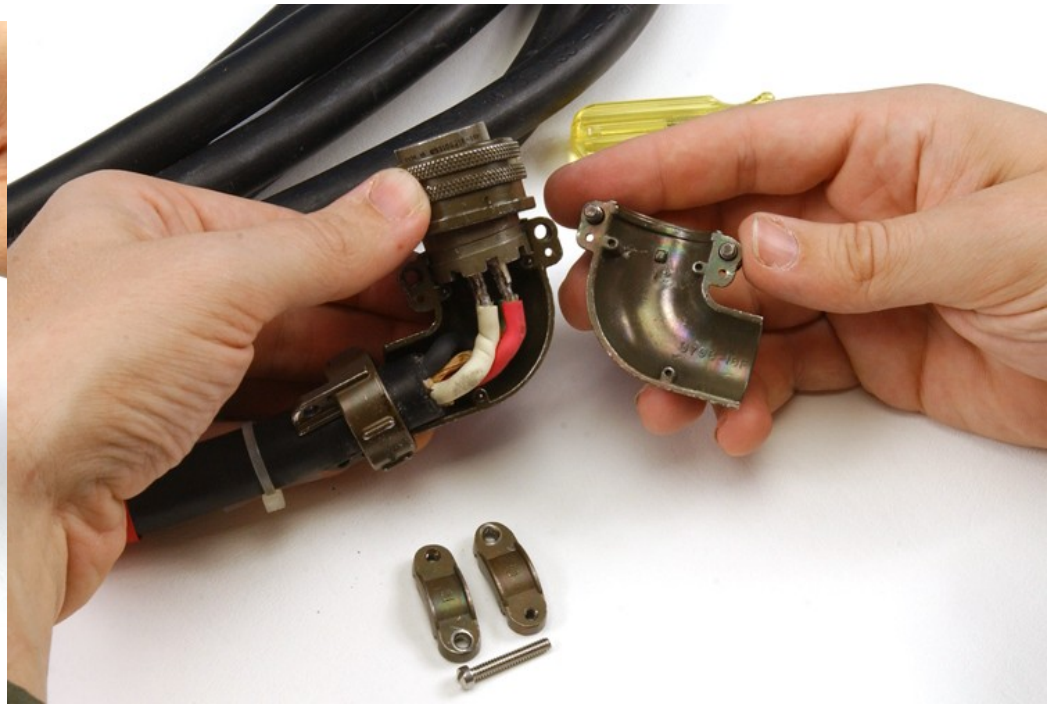
Step 4

- Remove retaining collar by unscrewing counterclockwise from elbow body, as shown below. Note: Ensure not to twist cable.



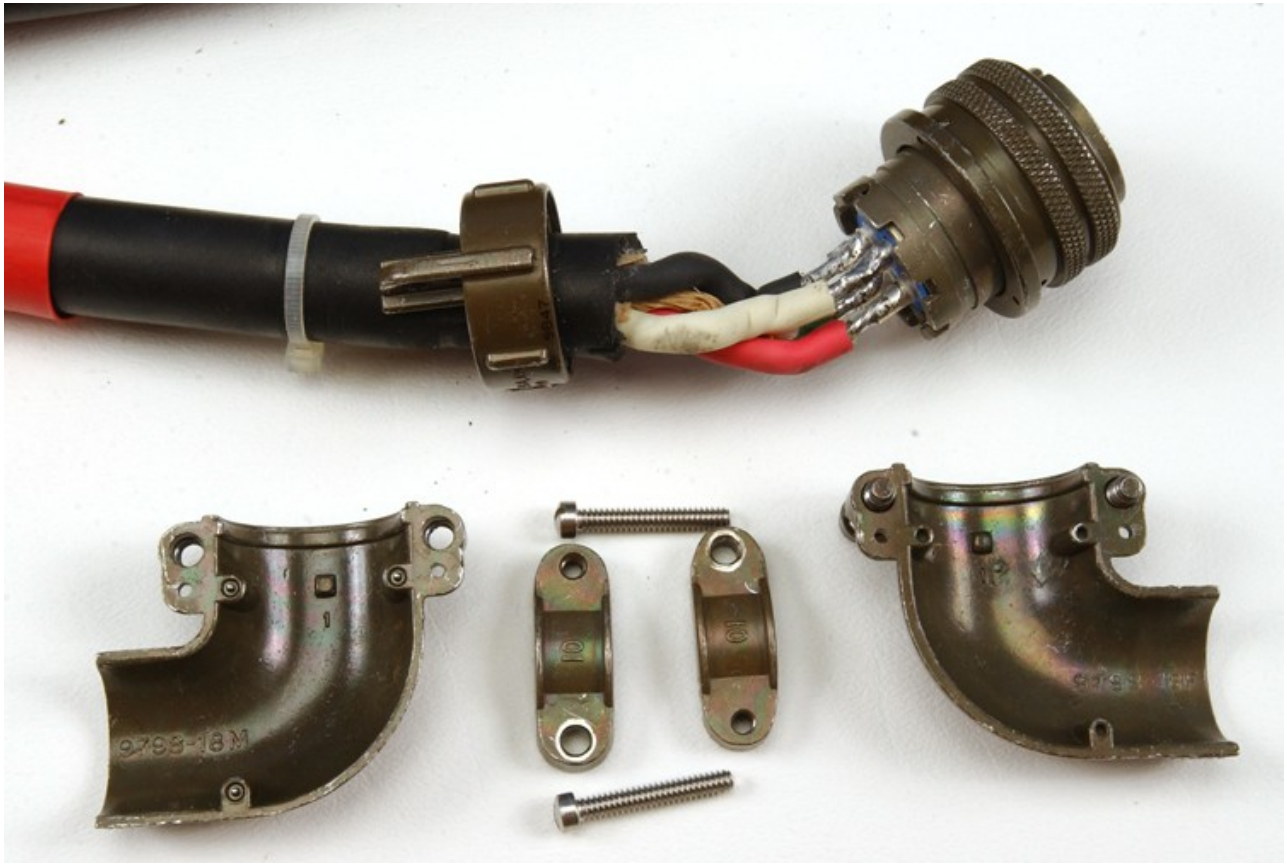
Step 5

- Disassemble elbow body by removing screws, as shown below, then separating the elbow halves.



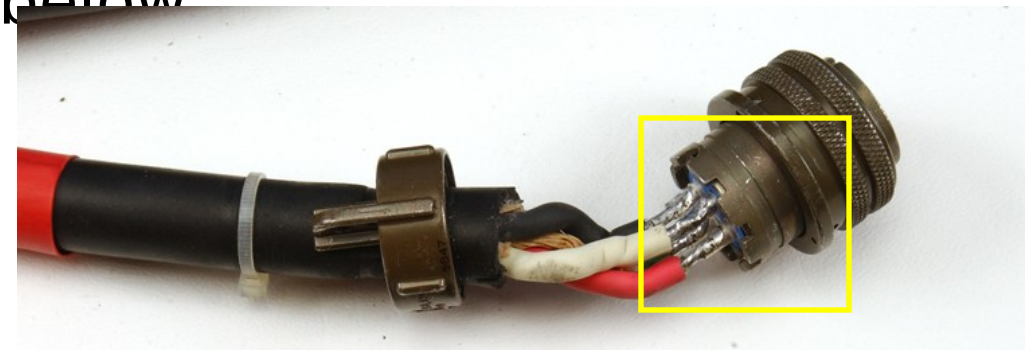
Step 6

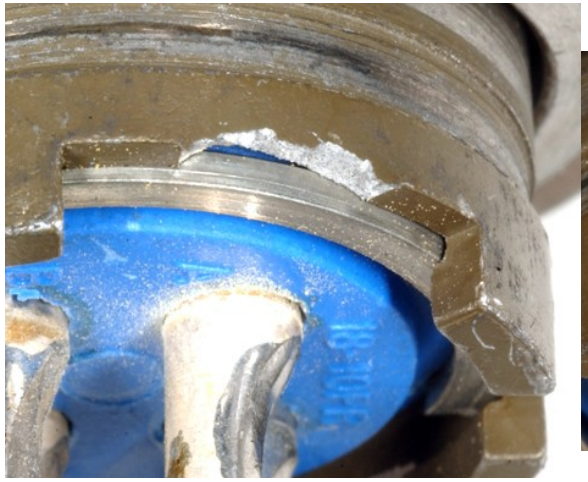
- Ensure all parts have been disassembled, as shown below.



Step 7

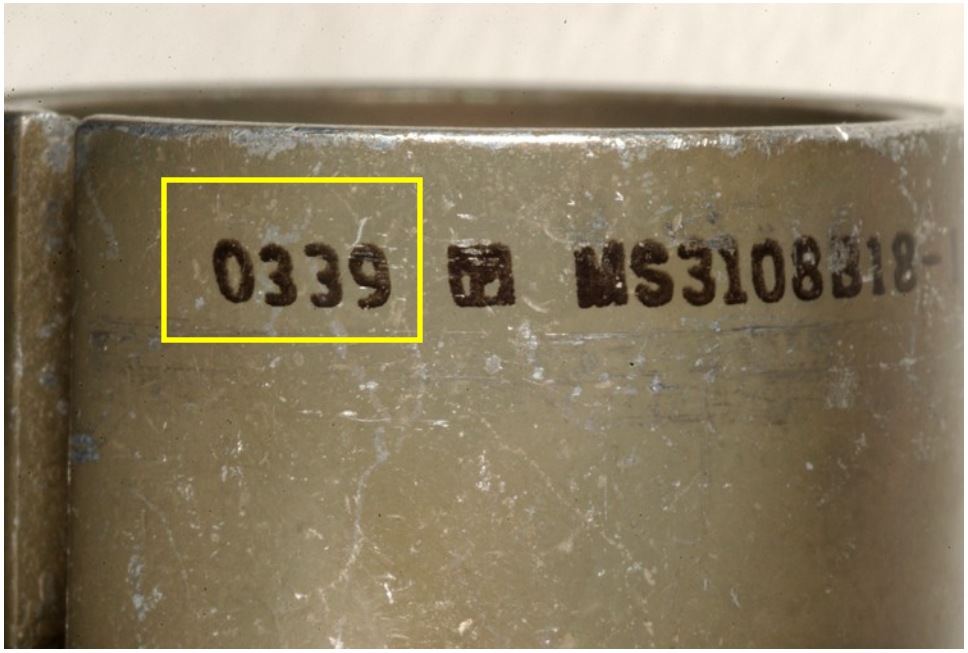
- Inspect the teeth on the shell to ensure no cracks, chips, dents, wear, or broken pieces exist. Examples of various unacceptable failures are shown below.





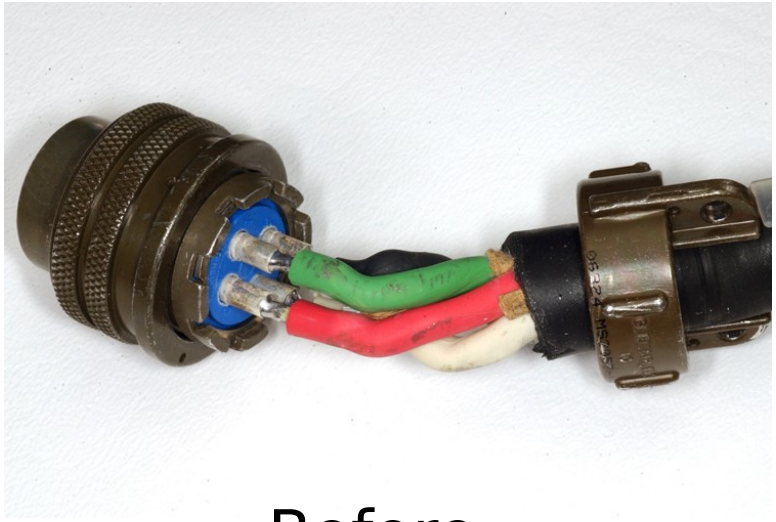
Step 8

- If any signs of failure exist, remove from service and request new cable from (Name,DSN XXX-XXXX, email) at AMC. Document the date code that is outlined below and send to (Name,DSN XXX-XXXX, email) at AMC. Do not proceed to further steps.



Step 9

- If there are no evident signs of failure then wrap the wires in electrical tape completely from the connector pins to the black cable insulation as shown below.



Before

After

Step 10

- Gather all parts together, as shown below.

Step 11

- Reassemble elbow body by placing the two elbows together using the boss pins. Then replace screws, as shown below.
- Note: Be sure to align the [teeth on the shell] to the [key] in the elbow.

Be sure that the shell guide slot faces the same way as the

Step 12

- Replace retaining collar by screwing clockwise to elbow body, as shown below. Note: Ensure not to twist cable.

Step 13

- Replace retaining clamp located below elbow connector by removing screws then separating the two parts, as shown below. Note: Screws shall be facing opposite directions from each other as shown below

Step 14

- Assembled connector should look the same as pictured below.